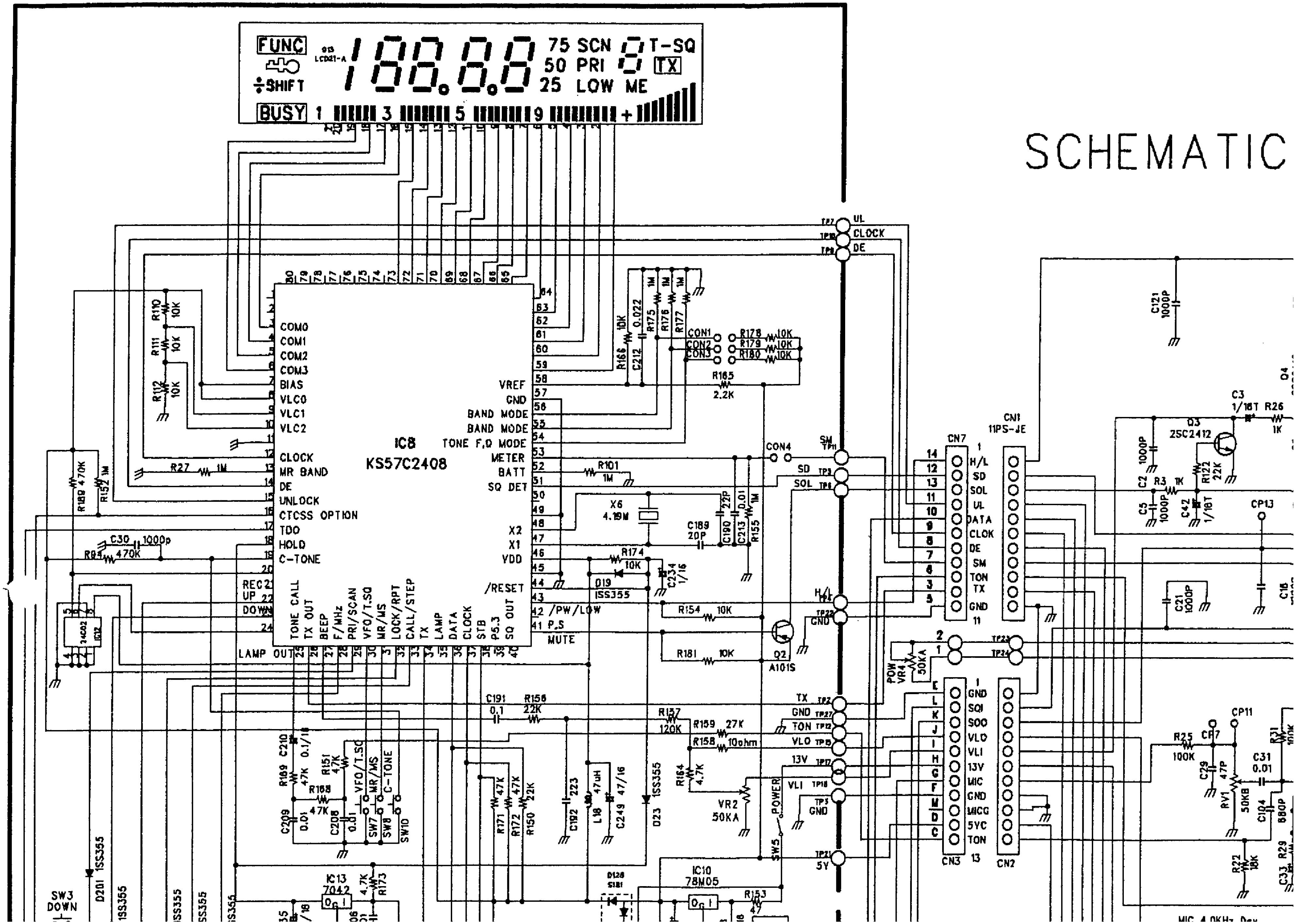
SCHEMATIC



FUNC
SHIFT
BUSY
75 SCN
50 PRI
25 LOW ME
T-SQ
TX
IC8
KS57C2408
COM0
COM1
COM2
COM3
BIAS
VLC0
VLC1
VLC2
CLOCK
MR BAND
DE
UNLOCK
CTCSS OPTION
TDO
HOLD
C-TONE
LAMP OUT
VREF
GND
BAND MODE
BAND MODE
TONE F,Q MODE
METER
BATT
SQ DET
X2
X1
VDD
/RESET
/PW/LOW
P.S
MUTE
TONE CALL
TX OUT
BEEP
F/MHz
PRI/SCAN
VFO/T.SQ
MR/MS
LOCK/RPT
CALL/STEP
TX
LAMP
DATA
CLOCK
STB
P5.3
SQ OUT
UL
CLOCK
DE
SM
SD
SOL
CON1
CON2
CON3
CON4
R165 2.2K
X6 4.19M
R174 10K
D19 1SS355
R154 10K
R181 10K
Q2 A1015
CN7
CN1 11PS-JE
H/L
SD
SOL
UL
DATA
CLOK
DE
SM
TON
TX
GND
C121 1000P
C3 1/16T
R26 1K
Q3 2SC2412
R122 22K
CP13
C21 1000P
CN3
CN2
GND
SQI
SOO
VLO
VLI
13V
MIC
GND
MICG
5YC
TON
TX
GND
TON
VLO
13V
VLI
GND
5Y
POWER
SW5
VR2 50KA
R159 27K
R158 10ohm
R164 4.7K
R137 120K
C191 0.1
R156 22K
L18 47uH
C249 47/16
D23 1SS355
C192 223
IC10 78M05
R153 47
IC13 7042
R173 4.7K
D128 S1B1
VFO/T.SQ
MR/MS
C-TONE
SW7
SW8
SW10
R169 47K
R168 47K
R151 47K
C210 0.1/16
C209 0.01
C208 0.01
R171 47K
R172 47K
R150 22K
R25 100K
CP7
CP11
C29 47P
RV1 50KB
C31 0.01
C104 680P
R22 10K
POW VR4 50KA
R27 1M
R101 1M
R93 470K
C30 1000p
R189 470K
R152 1M
R110 10K
R111 10K
R112 10K
REC
UP
DOWN
SW3 DOWN
D201 1SS355
R166 10K
C212 0.022
R175 1M
R176 1M
R177 1M
R178 10K
R179 10K
R180 10K
C189 20P
C190 22P
C213 0.01
R155 1M
C234 1/16
MIC 4.0KHz Dev